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Docket No.: 0042697.00149US3
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Roy G. GORDON et al.

Application No.: 10/534687

Confirmation No.: 7410

Filed: May 12, 2005

Art Unit: N/A

For: ATOMIC LAYER DEPOSITION USING
METAL AMIDINATES

Examiner: Not Yet Assigned

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Dear Sir:

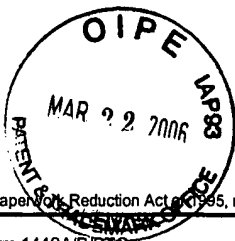
This Information Disclosure Statement is being filed prior to the mailing date of a first Office Action on the merits. No fee is required.

Applicants request that the Examiner initial and return a copy of the enclosed Form PTO SB-08 with the next communication.

Dated: March 22, 2006

Respectfully submitted,

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PTO/SB/08a/b (07-05)

Approved for use through 07/31/2006. OMB 0651-0031

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Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete If Known	
				Application Number	10/534687-Conf. #7410
				Filing Date	May 12, 2005
				First Named Inventor	Roy G. GORDON
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	1	of	2	Attorney Docket Number	0042697.00149US3

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Filing Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)				
		5,085,731	02/04/1992		Norman et al.	
		5,098,516	03/24/1992		Norman et al.	
		5,144,049	09/01/1992		Norman et al.	
		5,322,712	06/21/1994		Norman et al.	
		5,204,314	04/20/1993		Kirlin	
		5,453,494	09/26/1995		Kirlin et al.	
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		07/927,134		08/07/1992	Kirlin et al.	
		07/615,303		11/19/1990	Kirlin et al.	
		07/549,389		07/06/1990	Kirlin et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
		WO 2004/046417	06-03-2004	President and Fellows of Harvard College		
		DE 4039449	06-17-1992	Podder et al.		

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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Cotton, F.A., Feng, X., Matusz, M., Poli, R., <i>J. Am. Chem. Soc.</i> , 110, 7077-7083 (1988).	
		Kilner, M., Pietrzykowski, A., <i>Polyhedron</i> , 2(12), 1379-1388 (1983).	
		H.V. Rasika Dias, Sharon A. Polach, and Ziyun Wang, "Coinage Metal Complexes of 3,5-bis(trifluoromethyl)pyrazolate Ligand: Synthesis and Characterization of {[3,5-(CF ₃) ₂ Pz] ₂ Cu} and {[3,5-(CF ₃) ₂ Pz] ₂ Ag}]", <i>Journal of Fluorine Chemistry</i> 2000, 103, 163-169.	

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		Number-Kind Code ² (if known)			
		6,110,529	08/2000	Gardiner et al.	
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		6,337,148	01/2002	Xu et al.	
		6,417,369	07/2002	Baum et al.	
		6,440,202	08/2002	Baum et al.	
		6,639,080	10/2002	Baum et al.	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
		WO 2001/68948A1	09/2001			
		EP 001142894A2	10/2001			

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		Booyong, S. Lim, et al., Inorganic Chemistry, Vol. 42, No. 24 (2003), "Synthesis and Characterization of Volatile, Thermally Stable, Reactive Transition Metal Amidinates" pgs. 7951-7958.		
		Booyong, S. Lim, et al., Nature Publishing Group (2003), Department of Chemistry and Chemical Biology, Harvard University, "Atomic Layer Deposition of Transition of Metals", pgs. 749-754.		
		Zhengwen Li, Sean t. Barry, and Roy Gordon, Inorganic Chemistry (2005) "Synthesis and Characterization of Copper(I) Amidinates as Precursors for Atomic Layer Deposition (ALD) of Copper Metal" Vol. 44(6) pgs. 1728-1735.		

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